

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to Provisional and PCT International Applications)

ATTORNEY'S DOCKET NUMBER

002076-007

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PROLONGED CULTURING OF AVIAN (CHICKEN) PRIMORDIAL GERM CELLS (PGCs) USING SPECIFIC

GROWTH FACTORS, USE THEREOF TO PRODUCE CHIMERIC AVIANS (CHICKENS)

the specification of which (check only one item below):

☐ is attached hereto.

☒ was filed as United States application

Number 09/127,624

on August 3, 1998

and was amended

on \_\_\_\_\_ (if applicable).

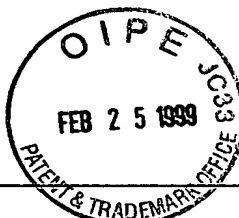
☐ was filed as PCT international application

Number \_\_\_\_\_

on \_\_\_\_\_

and was amended under PCT Article 19

on \_\_\_\_\_ (if applicable).



I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(e) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. §119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (CONTINUED)**  
(Includes Reference to Provisional and PCT International Applications)

ATTORNEY'S DOCKET NO.

002076-007

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to the patentability as defined in Title 37, Code of Federal Regulations §1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

**U.S. APPLICATIONS**

**STATUS (check one)**

U.S. APPLICATION NUMBER

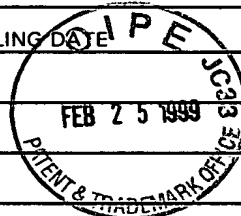
U.S. FILING DATE

PATENTED

PENDING

ABANDONED

08/905,773



**PCT APPLICATIONS DESIGNATING THE U.S.**

PCT APPLICATION NO.

PCT FILING DATE

U.S. APPLICATION NUMBERS  
ASSIGNED (if any)

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	George A. Hovanec, Jr.	28,223	Peter K. Skiff	31,917
Peter H. Smolka	15,913	James A. LaBarre	28,632	Richard J. McGrath	29,195
Robert S. Swecker	19,885	E. Joseph Gess	28,510	Matthew L. Schneider	32,814
Platon N. Mandros	22,124	R. Danny Huntington	27,903	Michael G. Savage	32,596
Benton S. Duffett, Jr.	22,030	Eric H. Weisblatt	30,505	Gerald F. Swiss	30,113
Norman H. Stepno	22,716	James W. Peterson	26,057	Michael J. Ure	33,089
Ronald L. Grudziecki	24,970	Teresa Stanek Rea	30,427	Charles F. Wieland III	33,096
Frederick G. Michaud, Jr.	26,003	Robert E. Krebs	25,885	Bruce T. Wieder	33,815
Alan E. Kopecki	25,813	William C. Rowland	30,888	Todd R. Walters	34,040
Regis E. Slutter	26,999	T. Gene Dillahunt	25,423		
Samuel C. Miller, III	27,360	Patrick C. Keane	32,858		
Ralph L. Freeland, Jr.	16,110	Bruce J. Boggs, Jr.	32,344		
Robert G. Mukai	28,531	William H. Benz	25,952		

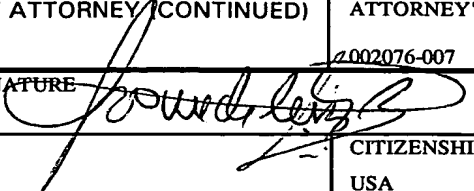
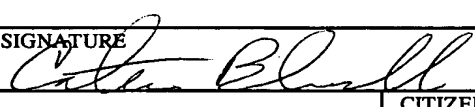
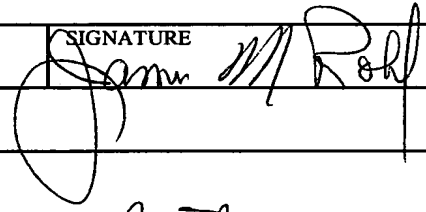


and: Robin L. Teskin, Registration No. 35,030

Address all correspondence to:

Robin L. Teskin  
BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

Address all telephone calls to: Robin L. Teskin at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (CONTINUED) (Includes Reference to Provisional and PCT International Applications)		ATTORNEY'S DOCKET NO. 2002076-007	
FULL NAME OF SOLE OR FIRST INVENTOR F. Abel Ponce de León		SIGNATURE 	DATE 9/21/98
RESIDENCE St. Paul, Minnesota 55127		CITIZENSHIP USA	
POST OFFICE ADDRESS 27 S. Long Lake Trl, North Oaks, MN 55127			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Catherine Blackwell		SIGNATURE 	DATE 10/7/98
RESIDENCE Warren, Massachusetts 01083		CITIZENSHIP USA	
POST OFFICE ADDRESS 285 Cutler Road, Warren, Massachusetts 01083			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Xiu Ying Gao		SIGNATURE	DATE
RESIDENCE S. Deerfield, Massachusetts 01373		CITIZENSHIP	
POST OFFICE ADDRESS 14 Ward Avenue, S. Deerfield, Massachusetts 01373			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY James M. Robl		SIGNATURE 	DATE 9/28/98
RESIDENCE Belchertown, Massachusetts 01007		CITIZENSHIP USA	
POST OFFICE ADDRESS 196 Old Enfield Road, Belchertown, Massachusetts 01007			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY Steven L. Stice		SIGNATURE 	DATE 10/2/98
RESIDENCE Belchertown, Massachusetts 01007		CITIZENSHIP USA	
POST OFFICE ADDRESS 468 Amherst Road, Belchertown, Massachusetts 01007			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY D. Joseph Jerry		SIGNATURE 	DATE 9/28/98
RESIDENCE Shutesbury, Massachusetts 01072		CITIZENSHIP USA	
POST OFFICE ADDRESS W. Pelham Road, Shutesbury, Massachusetts 01072			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			

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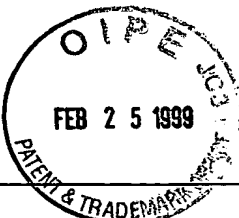
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\_\_\_\_\_  
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**U.S. APPLICATIONS**

**STATUS (check one)**

U.S. APPLICATION NUMBER

U.S. FILING DATE

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PENDING

ABANDONED

08/905,773

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PCT APPLICATION NO.

PCT FILING DATE

U.S. APPLICATION NUMBERS  
ASSIGNED (if any)

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Robert G. Mukai	28,531	William H. Benz	25,952		

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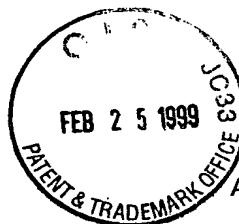
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FULL NAME OF SOLE OR FIRST INVENTOR F. Abel Ponce de León		SIGNATURE	
RESIDENCE St. Paul, Minnesota 55108		CITIZENSHIP USA	
POST OFFICE ADDRESS 2180 Folwell Avenue, St. Paul, Minnesota 55108			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Catherine Blackwell		SIGNATURE	
RESIDENCE Warren, Massachusetts 01083		CITIZENSHIP USA	
POST OFFICE ADDRESS 285 Cutler Road, Warren, Massachusetts 01083			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Xiu Ying Gao		SIGNATURE <i>Xiu Ying Gao</i>	
RESIDENCE S. Deerfield, Massachusetts 01373		CITIZENSHIP Chinese	
POST OFFICE ADDRESS 14 Ward Avenue, S. Deerfield, Massachusetts 01373			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY James M. Robl		SIGNATURE	
RESIDENCE Belchertown, Massachusetts 01007		CITIZENSHIP USA	
POST OFFICE ADDRESS 196 Old Enfield Road, Belchertown, Massachusetts 01007			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY Steven L. Stice		SIGNATURE	
RESIDENCE Belchertown, Massachusetts 01007		CITIZENSHIP USA	
POST OFFICE ADDRESS 468 Amherst Road, Belchertown, Massachusetts 01007			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY D. Joseph Jerry		SIGNATURE	
RESIDENCE Shutesbury, Massachusetts 01072		CITIZENSHIP USA	
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RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			



Patent

Attorney's Docket No. 002076-007

Applicant or Patentee: F. Abel Ponce de Leon et al.

Application or Patent No.: 09/127,624

Filed or Issued: August 3, 1998

For: PROLONGED CULTURING OF AVIAN (CHICKEN) PRIMORDIAL GERM CELLS (PGCs) USING SPECIFIC GROWTH FACTORS, USE THEREOF TO PRODUCE CHIMERIC AVIANS (CHICKEN)

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. §§ 1.9(f) AND 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION UNIVERSITY OF MASSACHUSETTS, A PUBLIC INSTITUTION OF HIGHER EDUCATION OF THE COMMONWEALTH OF MASSACHUSETTS, AS REPRESENTED BY ITS AMHERST CAMPUS

ADDRESS OF ORGANIZATION Office of Vice Chancellor for Research at Amherst, Amherst, Massachusetts 01002

**TYPE OF ORGANIZATION**

- ☒ University or other institution of higher education
- ☐ Tax exempt under Internal Revenue Service Code (26 U.S.C. §§ 501(a) and 501(c)(3))
- ☐ Nonprofit scientific or educational under statute of state of The United States of America  
(Name of state \_\_\_\_\_)  
(Citation of statute \_\_\_\_\_)
- ☐ Would qualify as tax exempt under Internal Revenue Service Code (26 U.S.C. §§ 501(a) and 501(c)(3)) if located in The United States of America
- ☐ Would qualify as nonprofit scientific or educational under statute of The United States of America if located in The United States of America  
(Name of state \_\_\_\_\_)  
(Citation of statute \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. § 1.9(e) for purposes of paying reduced fees under Sections 41(a) and 41(b) of Title 35, United States Code, with regard to the invention entitled PROLONGED CULTURING OF AVIAN (CHICKEN) PRIMORDIAL GERM CELLS (PGCs) USING SPECIFIC GROWTH FACTORS, USE THEREOF TO PRODUCE CHIMERIC AVIANS (CHICKENS) by inventor(s) F. Abel Ponce de León, Catherine Blackwell, Xiu Ying Gao, James M. Robl, Steven L. Stice and D. Joseph Jerry described in

- ☐ the specification filed herewith
- ☒ Application No. 09/127,624, filed August 3, 1998
- ☐ Patent No. \_\_\_\_\_, issued \_\_\_\_\_

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.



Application No. 09/127,624

Attorney's Docket No. 002076-007

If the rights held by the above-identified nonprofit organization are not exclusive, each individual, concern, or organization having rights to the invention is listed below,\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an individual inventor under 37 C.F.R. § 1.9(c), or by any concern that would not qualify as either a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 C.F.R. § 1.27.)

FULL NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

☐ individual ☐ small business concern ☐ nonprofit organization

FULL NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

☐ individual ☐ small business concern ☐ nonprofit organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earlier of the issue fee and any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b).)

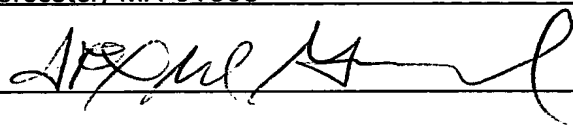
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Joseph F.X. McGuire 

TITLE IN ORGANIZATION Director, CVIP

ADDRESS OF PERSON SIGNING University of Massachusetts, 365 Plantation Street

Suite 130, Worcester, MA 01605

SIGNATURE  DATE 8 Feb 99